

REGULATION I - GENERAL PROVISIONS
RULE 100
GENERAL PROVISIONS AND DEFINITIONS

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MARICOPA COUNTY
AIR POLLUTION CONTROL REGULATIONS
REGULATION I - GENERAL PROVISIONS
RULE 100
GENERAL PROVISIONS AND DEFINITIONS

SECTION 100 - GENERAL

- 101** **DECLARATION OF INTENT:** ~~The intent of these rules is to prevent, reduce, control, correct or remove air pollution~~ The Maricopa County Air Pollution Control Regulations prevent, reduce, control, correct, or remove regulated air pollutants, originating within the territorial limits of Maricopa County and ~~to~~ carry-out the mandates of ~~Title 49, Arizona Revised Statutes~~ Arizona Revised Statutes (ARS), Title 49 (The Environment).
- 102** **LEGAL AUTHORITY:** These rules are adopted ~~pursuant to~~ under the authority granted by ~~Section 49-479, Arizona Revised Statutes~~ ARS §49-479.
- 103** **VALIDITY:** If any section, subsection, clause, phrase or provision of these rules is held to be invalid for any reason, such decision shall not affect the validity of the remaining portion.
- 104** **CIRCUMVENTION:** A person shall not build, erect, install, or use any article, machine, equipment, condition, or any contrivance, the use of which, without resulting in a reduction in the total release of ~~air contaminants~~ regulated air pollutants to the atmosphere, conceals or dilutes an emission which would otherwise constitute a violation of these rules. No person shall circumvent these rules to dilute ~~air contaminants~~ regulated air pollutants by using more emission openings than is considered normal practice by the industry or activity in question.
- 105** **RIGHT OF INSPECTION OF PREMISES:** The Control Officer during reasonable hours, for the purpose of enforcing and administering these rules, or any provision of ~~the Arizona Revised Statutes~~ ARS relating to the emission or control prescribed pursuant thereto, may enter every building, premises, or other place, except the interior of structures used as private residences. In the event that consent to enter for inspection purposes has been refused or circumstances justify the failure to seek such consent, special inspection warrants may be issued by a magistrate. Every person is guilty of a petty offense ~~pursuant to~~ under ARS §49-488 who in any way denies, obstructs, or hampers such entrance or inspection that is lawfully authorized by warrant.
- 106** **RIGHT OF INSPECTION OF RECORDS:** When the Control Officer has reasonable cause to believe that any person has violated or is in violation of any provision of this rule, any rule adopted ~~pursuant to~~ under this rule, or any requirement of a permit issued ~~pursuant to~~ under this rule, the Control Officer may request, in writing, that such person produce all existing books, records, and other documents evidencing tests, inspections, or studies which may reasonably relate to compliance or noncompliance with rules adopted ~~pursuant to~~ under this rule. No person shall fail nor refuse to produce all existing documents required in such written request by the Control Officer.

- 107 **ADVISORY COUNCIL:** An Advisory Council appointed by the Board of Supervisors may advise and consult with the Board of Supervisors, the Division of Air Pollution Control and the Control Officer in effecting the mandates of ARS Title 49.
- 108 **HEARING BOARD:** The Board of Supervisors shall appoint a five-member hearing board knowledgeable in the field of air pollution. At least three members shall not have a substantial interest, as defined in ARS §38-502(11), in any person required to obtain an air pollution permit. Each member shall serve a term of three years (ARS §49-478).
- 109 **ANTI-DEGRADATION:** The standards in these rules shall not be construed as permitting the preventable degradation of air quality in any area of Maricopa County.
- 110 **AVAILABILITY OF POLLUTION INFORMATION:** The public shall be informed on a daily basis of average daily concentration of three pollutants: particulates, carbon monoxide and ozone. This information shall be disseminated through the use of newspapers, radio and television. The levels of each pollutant shall be expressed through the use of the Pollution Standard Index (PSI) and a written copy of such information shall be made available at the office of the Maricopa County Environmental Services Department, 1001 North Central Avenue, #201, Phoenix, Arizona.
- 111 **ANNUAL REASONABLE FURTHER PROGRESS (RFP) REPORT:** A report on the progress in implementation of nonattainment area plans shall be produced by the Division each year. The primary function of the report is to review the implementation schedules for control measures and emission reduction forecasts in the nonattainment area plans. The annual report will be made available to the public at the offices of Maricopa County Environmental Services Department, 1001 North Central Avenue, #201, Phoenix, Arizona.

SECTION 200 - DEFINITIONS: To aid in the understanding of these rules, the following general definitions are provided. Additional ~~title-specific~~ definitions, as necessary, can be found in each rule ~~as necessary of the Maricopa County Air Pollution Control Regulations~~.

- 201 200.1 **AAC** - Arizona Administrative Code.
- 202 ~~ACID - One of a large class of chemical substances whose water solutions have one or more of the following properties: sour taste, ability to make litmus dye turn red and to cause other indicator dyes to change to characteristic colors, ability to react with and dissolve certain metals to form salts, and ability to react with bases or alkalies to form salts.~~
- 203 200.2 **ACT** - The Clean Air Act of 1963 (P.L.88-206; 42 United States Code sections 7401 through 7671) as amended by the Clean Air Act Amendments of 1990 (P.L.101-549).
- 204 200.3 **ACTUAL EMISSIONS** - The actual rate of emissions of a pollutant from an emissions unit, as determined in ~~accordance with the following subsections 200.3(a) through 200.3(e):~~
- 204.1 a. In general, actual emissions as of a particular date shall equal the average rate, in tons per year, at which the emissions unit actually emitted the pollutant during a ~~two-year 2-~~ year period ~~which that~~ precedes the particular date and ~~which that~~ is representative of normal source operation. The Control Officer may allow the use of a different time period upon a demonstration that it is more representative of normal source operation. Actual emissions shall be calculated using the emissions unit's actual operating hours, production rates, and types of materials processed, stored or combusted during the selected time period.
- 204.2 b. If there is inadequate information to determine actual ~~historic~~ historical emissions, then the Control Officer may presume that source-specific allowable emissions for the emissions unit are equivalent to the actual emissions of the emissions unit.

- 204.3 **c.** For any emissions unit at a Title V source, other than an electric utility steam generating unit described in subsection 200.3(e) of this rule, which that has not begun normal operations on the particular date, actual emissions shall equal the unit's potential to emit ~~of the emissions unit~~ on that date.
- 204.4 **d.** For any emissions unit at a Non-Title V source ~~which that~~ has not begun normal operations on the particular date, actual emissions shall be based on applicable control equipment requirements and projected conditions of operation.
- e.** For an electric utility steam generating unit (other than a new unit or the replacement of an existing unit), actual emissions of the unit, following the physical or operational change, shall equal the representative actual annual emissions of the unit, if the source owner or operator maintains and submits, to the Control Officer, on an annual basis for a period of 5 years for the date the unit resumes regular operation, information demonstrating that the physical or operational change did not result in an emissions increase. A longer period, not to exceed 10 years, may be required by the Control Officer, if the Control Officer determines the longer period to be more representative of normal source post-change operations.
- 205 **200.4** **ADMINISTRATOR** - The Administrator of the United States Environmental Protection Agency.
- 206 **200.5** **ADVISORY COUNCIL** - The Maricopa County Air Pollution Control Advisory Council appointed by the Maricopa County Board of Supervisors.
- 207 **200.6** **AFFECTED FACILITY** - With reference to a stationary source, any apparatus to which a standard is applicable.
- 208 **200.7** **AFFECTED SOURCE** - A source that includes one or more emissions units which are subject to emission reduction requirements or limitations ~~pursuant to~~ under Title IV of the Act.
- 209 **200.8** **AFFECTED STATE** - Any state whose air quality may be affected and that is contiguous to Arizona or that is within 50 miles of the permitted source.
- 210 **200.9** **AIR CONTAMINANT** - Includes smoke, vapors, charred paper, dust, soot, grime, carbon, fumes, gases, sulfuric acid mist aerosols, aerosol droplets, odors, particulate matter, windborne matter, radioactive materials, noxious chemicals, or any other material in the outdoor atmosphere.
- 211 **200.10** **AIR POLLUTION** - The presence in the outdoor atmosphere of one or more air contaminants or combinations thereof in sufficient quantities, which either alone or in connection with other substances, by reason of their concentration and duration are or tend to be injurious to human, plant or animal life, or causes damage to property, or unreasonably interferes with the comfortable enjoyment of life or property of a substantial part of a community, or obscures visibility, or which in any way degrades the quality of the ambient air below the standards established by the Board of Supervisors.
- 212 **200.11** **AIR POLLUTION CONTROL EQUIPMENT** - Equipment used to eliminate, reduce or control the emission of ~~air contaminants~~ air pollutants into the ambient air.
- 213 ~~ALKALINE SOLUTION - Hydroxides of either sodium or calcium (i.e., calcium hydroxide and sodium hydroxide) exhibiting strong caustic (base pH > 7) properties.~~
- 214 **200.12** **ALLOWABLE EMISSIONS** - The emission rate of a stationary source calculated using ~~both~~ the maximum rated capacity of the source (unless the source is subject to federally enforceable limits which restrict the operating rate or hours of operation, or both) and the most stringent of the following:

- 244.1 **a.** The applicable New Source Performance Standards as described in Rule 360 of these rules or the Federal Hazardous Air Pollutant Program as described in Rule 370 of these rules; or
- 244.2 **b.** The applicable existing source performance standard as approved for the SIP; or
- 244.3 **c.** The emissions rate specified in any federally promulgated rule or federally enforceable permit condition.

245 **200.13** **AMBIENT AIR** - That portion of the atmosphere, external to buildings, to which the general public has access.

246 **200.14** **AP-42** - The EPA document "Compilation of Air Pollutant Emission Factors," September 1985, and all supplements thereto.

247 **200.15** **APPLICABLE IMPLEMENTATION PLAN** - Those provisions of the State Implementation Plan (SIP) approved by the Administrator of EPA or a Federal Implementation Plan (FIP) promulgated ~~in accordance with~~ under Title I of the Act.

248 **200.16** **APPLICABLE REQUIREMENT** - Applicable requirement means any of the following:

- 248.1 **a.** Any federal applicable requirement as defined in Section ~~249~~ 200.50 of this rule.
- 248.2 **b.** Any other requirement established ~~pursuant to~~ under the Maricopa County Air Pollution Control Regulations or ARS Title 49, Chapter 3, Articles 1, 3, 7, and 8.

249 **200.17** **APPROVED** - Approved in writing by the Maricopa County Air Pollution Control Officer.

220 **200.18** **AREA SOURCE** - Any stationary source that is not a major source. For purposes of these rules, the term "area source" shall not include motor vehicles or nonroad vehicles subject to regulation ~~pursuant to~~ under CAA Title II.

224 **200.19** **ARS** - The Arizona Revised Statutes. The titles of the most frequently used ARS references in these rules are listed below:

ARS §38-502(11)	Public Officers And Employees, Conduct Of Office, Conflict Of Interest Of Officers And Employees, Definitions, Substantial Interest
ARS Title 49	The Environment
ARS Title 49, Chapter 3	The Environment, Air Quality
ARS Title 49, Chapter 4	The Environment, Solid Waste Management
ARS §49-109	The Environment, General Provisions, Department Of Environmental Quality, Certificate Of Disclosure Of Violations; Definition; Remedies
ARS §49-401	The Environment, Air Quality, General Provisions, Declaration Of Policy
ARS §49-426	The Environment, Air Quality, State Air Pollution Control, Permits; Duties Of Director; Exceptions; Applications; Objections; Fees
ARS §49-426.04	The Environment, Air Quality, State Air Pollution Control, State List Of Hazardous Air Pollutants
ARS §49-426.05	The Environment, Air Quality, State Air Pollution Control, Designation Of Sources Of Hazardous Air Pollutants
ARS §49-429	The Environment, Air Quality, State Air Pollution Control, Permit Transfers; Notice; Appeal
ARS §49-464	The Environment, Air Quality, State Air Pollution Control, Violation; Classification; Definitions

ARS §49-473	The Environment, Air Quality, County Air Pollution Control, Board Of Supervisors
ARS §49-476.01	The Environment, Air Quality, County Air Pollution Control, Monitoring
ARS §49-478	The Environment, Air Quality, County Air Pollution Control, Hearing Board
ARS §49-480	The Environment, Air Quality, County Air Pollution Control, Permits; Fees
ARS §49-480.03	The Environment, Air Quality, County Air Pollution Control, Federal Hazardous Air Pollutant Program; Date Specified By Administrator; Prohibition
ARS §49-480.04	The Environment, Air Quality, County Air Pollution Control, County Program For Control Of Hazardous Air Pollutants
ARS §49-482	The Environment, Air Quality, County Air Pollution Control, Appeals To Hearing Board
ARS §49-483	The Environment, Air Quality, County Air Pollution Control, Permit Transfers; Notice; Appeal
ARS §49-487	The Environment, Air Quality, County Air Pollution Control, Classification And Reporting; Confidentiality Of Records
ARS §49-488	The Environment, Air Quality, County Air Pollution Control, Special Inspection Warrant
ARS §49-490	The Environment, Air Quality, County Air Pollution Control, Hearings On Orders Of Abatement
ARS §49-498	The Environment, Air Quality, County Air Pollution Control, Notice Of Hearing; Publication; Service
ARS §49-501	The Environment, Air Quality, County Air Pollution Control, Unlawful Open Burning; Exceptions; Violation; Classification
ARS §49-511	The Environment, Air Quality, County Air Pollution Control, Violations, Order Of Abatement
ARS §49-514	The Environment, Air Quality, County Air Pollution Control, Violation; Classification; Definition

- 222 200.20 ASME** - The American Society of Mechanical Engineers.
- 223 200.21 ASTM** - The American Society for Testing and Materials.
- 224 200.22 ATTAINMENT AREA** - An area so designated by the Administrator of EPA, acting ~~pursuant to~~ under Section 107 of the Act, as having ambient air pollutant concentrations equal to or less than national primary or secondary ambient air quality standards for a particular pollutant or pollutants.
- 225 200.23 BEGIN ACTUAL CONSTRUCTION** - In general, initiation of physical on-site construction activities on an emissions unit which are of a permanent nature. Such activities include installation of building supports and foundations, laying of underground pipework, and construction of permanent storage structures. With respect to a change in method of operation, begin actual construction refers to those on-site activities, other than preparatory activities, which mark the initiation of the change.
- 226 200.24 BEST AVAILABLE CONTROL TECHNOLOGY (BACT)** - An emissions limitation, based on the maximum degree of reduction for each pollutant, subject to regulation ~~pursuant to~~ under the Act, which would be emitted from any proposed stationary source or modification which the Control Officer, on a case-by-case basis, taking into account energy, environmental, and economic impacts and other costs, determines is achievable for such source or modification through application of production processes or available methods, systems, and techniques including fuel cleaning or treatment or innovative fuel combination techniques for control of such pollutant. Under no circumstances shall BACT be determined

to be less stringent than the emission control required by an applicable provision of [these rules or of any](#) State or Federal Laws (["Federal laws" include the EPA approved SIP](#)). ~~or these rules.~~ If the Control Officer determines that technological or economic limitations on the application of measurement methodology to a particular emissions unit would make the imposition of an emissions standard infeasible, a design, equipment, work practice, operational standard or combination thereof, may be prescribed instead to satisfy the requirement for the application of BACT. Such standard shall, to the degree possible, set forth the emissions reduction achievable by implementation of such design, equipment, work practice or operation, and shall provide for compliance by means which achieve equivalent results.

- 227 [200.25](#) **BRITISH THERMAL UNIT (BTU)** - The quantity of heat required to raise the temperature of one pound of water one degree Fahrenheit (°F) at 39.1°F.
- 228 [200.26](#) **BUILDING, STRUCTURE, FACILITY, OR INSTALLATION** - All the pollutant-emitting equipment and activities that belong to the same industrial grouping, that are located on one or more contiguous or adjacent properties, and that are under the control of the same person or persons under common control except the activities of any vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same "Major Group" as described in the "Standard Industrial Classification Manual, 1987".
- 229 [200.27](#) **BUREAU** - The Division of Air Pollution Control within the Maricopa County Environmental Quality and Community Services Agency. The "Bureau" no longer exists; consequently, all references to "Bureau" in these rules refer to "Department".
- 230 [200.28](#) **CFR** - The United States Code of Federal Regulations.
- 234 [200.29](#) **CIRCUMSTANCES OUTSIDE THE CONTROL OF THE SOURCE** - Shall include but not be limited to circumstances where a violation resulted from a sudden and unavoidable breakdown of the process or the control equipment, resulted from unavoidable conditions during a start up or shut down, or resulted from upset of operations.
- [200.30](#) **CLEAN COAL TECHNOLOGY** - [Any technology, including technologies applied at the pre-combustion, combustion, or post-combustion stage, at a new or existing facility, that will achieve significant reductions in air emissions of sulfur dioxide or oxides of nitrogen associated with the utilization of coal in the generation of electricity or process steam, that was not in widespread use as of November 15, 1990.](#)
- [200.31](#) **CLEAN COAL TECHNOLOGY DEMONSTRATION PROJECT** - [A project using funds appropriated under the heading "Department Of Energy-Clean Coal Technology", up to a total amount of \\$2,500,000,000 for commercial demonstration of clean coal technology or similar projects funded through appropriations for the Environmental Protection Agency. The Federal contribution for a qualifying project shall be at least 20% of the total cost of the demonstration project.](#)
- 232 [200.32](#) **COMMENCE** - As applied to construction of a major source or a major modification, that the owner or operator has all necessary preconstruction approvals or permits and has either:
- 232.1 [a.](#) Begun, or caused to begin, a continuous program of actual on-site construction of the source, to be completed within a reasonable time; or
- 232.2 [b.](#) Entered into binding agreements or contractual obligations, which cannot be canceled or modified without substantial loss to the owner or operator, to undertake a program of actual construction of the source to be completed within a reasonable time.

- 233 [200.33](#) **COMPLETE** - In reference to an application for a permit, [complete means](#) that the application contains all the information necessary for processing the application. Designating an application complete for purposes of permit processing does not preclude the Control Officer from requesting nor from accepting any additional information.
- 234 [200.34](#) **CONSTRUCTION** - Any physical change or change in the method of operation, including fabrication, erection, or installation, demolition, or modification of an emissions unit, which would result in a change in actual emissions.
- 235 [200.35](#) **CONTROL OFFICER** - The executive head of the department authorized or designated to enforce air pollution regulations, the executive head of an air pollution control district established ~~pursuant to~~ [under](#) ARS §49-473, or the designated agent.
- 236 [200.36](#) **DEPARTMENT** - The Maricopa County Environmental Services Department.
- 237 [200.37](#) **DIRECTOR** - The director of the Arizona Department of Environmental Quality (ADEQ).
- 238 [200.38](#) **DISCHARGE** - The release or escape of an effluent into the atmosphere from a source.
- 239 [200.39](#) **DIVISION** - The Division of Air Pollution Control within the Maricopa County Environmental Management and Transportation Agency. The Division no longer exists; consequently, all references in these rules to Division refer to Department.
- 240 [200.40](#) **EARTHMOVING OPERATION** - The use of any equipment for an activity which may generate fugitive dust, such as, but not limited to, cutting and filling, grading, leveling, excavating, trenching, loading or unloading of bulk materials, demolishing, blasting, drilling, adding to or removing bulk materials from open storage piles, back filling, soil mulching, ~~or~~ landfill operations, [or weed abatement by discing or blading](#).
- 244 [200.41](#) **EFFLUENT** - Any air contaminant which is emitted and subsequently escapes into the atmosphere.
- [200.42](#) **[ELECTRIC UTILITY STEAM GENERATING UNIT](#)** - [Any steam electric generating unit that is constructed for the purpose of supplying more than 1/3 of its potential electric output capacity and more than 25 MW electric output to any utility power distribution system for sale. Any steam supplied to a steam distribution system, for the purpose of providing steam to a steam-electric generator that would produce electrical energy for sale, is also considered in determining the electrical energy output capacity of the affected facility.](#)
- 242 [200.43](#) **EMISSION STANDARD** - ~~Shall have the meaning~~ [The definition of emission standard is](#) set forth in ARS §49-514(T) and ARS §49-464(U).
- 243 [200.44](#) **EMISSIONS UNIT** - Any part of a stationary source which emits or would have the potential to emit any regulated air pollutant.
- 244 [200.45](#) **EPA** - The United States Environmental Protection Agency.
- 245 [200.46](#) **EQUIVALENT METHOD** - Any method of sampling and analyzing for an air pollutant, which has been demonstrated to the EPA Administrator's satisfaction to have a consistent and quantitatively known relationship to the reference method, under specified conditions.
- 246 [200.47](#) **EXCESS EMISSIONS** - Emissions of an air pollutant in excess of an emission standard as measured by the compliance test method applicable to such emission standard.
- 247 [200.48](#) **EXISTING SOURCE** -

- 247.1 **a.** A source in operation prior to the effective date of this rule, or a source on which the construction or modification has commenced and for which the Control Officer has granted a permit prior to the effective date of this rule; or
- 247.2 **b.** When used in conjunction with a source subject to new source performance standard (NSPS), any source which does not have an applicable NSPS ~~pursuant to~~ under Rule 360 of these rules.
- 248 **200.49** **FACILITY** - ~~See Section 207 of this rule (Affected Facility) and Section 228 of this rule (Building, Structure, Facility or Installation).~~ The definition of facility is included in Section 200.6 (Definition Of Affected Facility) of this rule and in Section 200.26 (Definition Of Building, Structure, Facility Or Installation) of this rule.
- 249 **200.50** **FEDERAL APPLICABLE REQUIREMENT** - Any of the following as they apply to emissions units covered by a Title V permit or a Non-Title V permit (including requirements that have been promulgated or approved by the United States Environmental Protection Agency (EPA) through rulemaking at the time of issuance but have future effective compliance dates):
- 249.1 **a** Any standard or other requirement provided for in the applicable implementation plan approved or promulgated by EPA through rulemaking ~~pursuant to~~ under Title I of the Act that implements the relevant requirements of the Act, including any revisions to that plan promulgated in 40 CFR 52;
- 249.2 **b.** Any term or condition of any unitary permits issued ~~pursuant to~~ under regulations approved or promulgated through rulemaking ~~pursuant to~~ under Title I, including Parts C or D, of the Act;
- 249.3 **c.** Any standard or other requirement ~~pursuant to~~ under Section 111 of the Act (Standards Of Performance For New Stationary Sources), including Section 111(d);
- 249.4 **d.** Any standard or other requirement ~~pursuant to~~ under Section 112 of the Act, including any requirement concerning accident prevention ~~pursuant to~~ under Section 112(r)(7) of the Act;
- 249.5 **e.** Any standard or other requirement of the acid rain program ~~pursuant to~~ under Title IV of the Act or the regulations promulgated thereunder and incorporated ~~pursuant to~~ under Rule 371 of these rules;
- 249.6 **f.** Any requirements established ~~pursuant to~~ under Section 504(b) or Section 114(a)(3) of the Act;
- 249.7 **g.** Any standard or other requirement governing solid waste incineration, ~~pursuant to~~ under Section 129 of the Act;
- 249.8 **h.** Any standard or other requirement for consumer and commercial products, pursuant to Section 183(e) of the Act;
- 249.9 **i.** Any standard or other requirement for tank vessels pursuant to Section 183(f) of the Act;
- 249.10 **j.** Any standard or other requirement of the program to control air pollution from outer continental shelf sources, ~~pursuant to~~ under Section 328 of the Act;
- 249.11 **k.** Any standard or other requirement of the regulations promulgated to protect stratospheric ozone ~~pursuant to~~ under Title VI of the Act, unless the Administrator of EPA has determined that such requirements need not be contained in a Title V permit; and
- 249.12 **l.** Any national ambient air quality standard or increment or visibility requirement ~~pursuant to~~ under Part C of Title I of the Act, but only as it would apply to temporary sources permitted ~~pursuant to~~ under Section 504(e) of the Act.
- 200.51** **FEDERAL LAND MANAGER** - With respect to any lands in the United States, the Secretary Of The Department with authority over such lands.
- 250 **200.52** **FEDERALLY ENFORCEABLE** -

- 250.1 **a.** All terms and conditions contained in a Title V permit except those terms and conditions which have been specifically designated as not federally enforceable; ~~or~~
- 250.2 **b.** The requirements of operating permit programs and permits issued under such permit programs which have been approved by the Administrator of EPA, including the requirements of State and County operating permit programs approved ~~pursuant to~~ under Title V of the Act or ~~pursuant to under~~ any new source review permit program; ~~or~~
- 250.3 **c.** All limitations and conditions which are enforceable by the Administrator of EPA, including the requirements of the New Source Performance Standards (NSPS) and the National Emissions Standards for Hazardous Air Pollutants (NESHAPs) contained in these rules; ~~or~~
- 250.4 **d.** The requirements of such other State or County rules or regulations approved by the Administrator of EPA for inclusion in the State Implementation Plan (SIP); ~~or~~
- 250.5 **e.** The requirements of any federal regulation promulgated by the Administrator of EPA as part of the SIP; ~~and~~
- 250.6 **f.** The requirements of State and County operating permit programs, other than Title V programs, which have been approved by the Administrator of EPA and incorporated into the applicable SIP ~~pursuant to under~~ the criteria for federally enforceable State operating permit programs set forth in 54, Federal Register 27274, dated June 28, 1989. Such requirements include permit terms and conditions which have been entered into voluntarily by a source ~~pursuant to under this rule and/or under~~ Rule 220 of these rules.
- 251 **200.53** **FINAL PERMIT** - The version of a permit issued by the Control Officer after completion of all review required by Maricopa County Air Pollution Control Regulations.
- 252 **200.54** **FUEL OIL** - Number 2 through Number 6 fuel oils as specified in ~~ASTM D-396-96~~ ASTM D-396-90a (Specification For Fuel Oils), gas turbine fuel oils Numbers 2-GT through 4-GT as specified in ~~ASTM D-2880-96~~ ASTM D-2880-90a (Specification For Gas Turbine Fuel Oils), or diesel fuel oils Numbers 2-D and 4-D as specified in ~~ASTM D-975-96~~ ASTM D-975-90a (Specification For Diesel Fuel Oils).
- 253 **200.55** **FUGITIVE EMISSION** - Any emission which could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.
- 200.56** **INDIAN GOVERNING BODY** - The governing body of any tribe, band, or group of Indians subject to the jurisdiction of the United States and recognized by the United States as possessing power of self-government.
- 200.57** **INDIAN RESERVATION** - Any federally recognized reservation established by Treaty, Agreement, Executive Order, or Act Of Congress.
- 200.58** **INSIGNIFICANT ACTIVITY** - An activity at an emissions unit, that emits regulated air pollutants, that is not otherwise subject to any applicable requirement, and that is included in Appendix D (List Of Insignificant Activities) of these rules (i.e., activities within such categories as: non quantifiable insignificant activities associated with roadways, food equipment, water and waste water treatment and storage, burning, and electronic processes, and miscellaneous activities; and activities within such categories as: quantifiable insignificant activities associated with general combustion activities, surface coating and printing equipment, solvent cleaning equipment, internal combustion equipment, laboratories and pilot plants, storage and distribution, electronic processes, and miscellaneous activities). Appendix D (List Of Insignificant Activities) of these rules is a list of the most common insignificant activities, which are typically associated with inconsequential environmental impacts. Appendix D (List Of Insignificant Activities) of these rules does not include every insignificant activity and is to be used as a guide only. Any other activity, that is not included in Appendix D (List Of Insignificant Activities) and

that is not otherwise subject to an applicable requirement, may be considered an insignificant activity, if approved by the Control Officer and the Administrator of EPA.

- 254 **200.59 MAJOR MODIFICATION** - Any physical change or change in the method of operation of a major source that would result in a significant net emissions increase of any regulated air pollutant.
- 254.1 **a.** Any net emissions increase that is significant for ~~volatile organic compounds~~ VOCs shall be considered significant for ozone.
- 254.2 **b.** Any net emissions increase that is significant for oxides of nitrogen shall be considered significant for ozone ~~for ozone~~ nonattainment areas classified as marginal, moderate, serious, or severe.
- 254.3 **c.** For the purposes of this definition, the following shall not be considered a physical change or a change in the method of operation:
- ~~a.~~ **(1)** Routine maintenance, repair, and replacement; ~~which the Control Officer determines to be routine.~~
- ~~b.~~ **(2)** Use of an alternative fuel or raw material by reason of an order ~~pursuant to~~ under Sections 2(a) and (b) of the Energy Supply and Environmental Coordination Act of 1974, 15 U.S.C. § 792, or by reason of a natural gas curtailment plan ~~pursuant to~~ under the Federal Power Act, 16 U.S.C. § 792 - 825r;
- ~~c.~~ **(3)** Use of an alternative fuel by reason of an order or rule ~~pursuant to~~ under Section 125 of the Act;
- ~~d.~~ **(4)** Use of an alternative fuel at a steam generating unit to the extent that the fuel is generated from municipal solid waste;
- ~~e.~~ **(5)** Use of an alternative fuel or raw material by a stationary source ~~which that~~ either:
- ~~(1)~~ **(a)** The source was capable of accommodating before December 12, 1976, unless ~~such the~~ change would be prohibited ~~pursuant to~~ under any federally enforceable permit condition ~~which was~~ established after December 12, 1976, ~~pursuant to~~ under 40 CFR 52.21, or ~~pursuant to~~ under Rules 200, 210, 240, 245, and 270 of these rules; or
- ~~(2)~~ **(b)** The source is approved to use under any permit issued ~~pursuant to~~ under 40 CFR 52.21, or ~~pursuant~~ under Rules 200, 210, 240, 245, and 270 of these rules;
- ~~f.~~ **(6)** An increase in the hours of operation or in the production rate, unless ~~such the~~ change would be prohibited ~~pursuant to~~ under any federally enforceable permit condition ~~which was~~ established after December 12, 1976, ~~pursuant to~~ under 40 CFR 52.21, or ~~pursuant to~~ under Rules 200, 210, 240, 245, and 270 of these rules;
- ~~g.~~ **(7)** Any change in ownership at a stationary source;
- (8)** The addition, replacement or use of a pollution control project at an existing electric utility steam generating unit, unless the Control Officer determines that the addition, replacement, or use renders the unit less environmentally beneficial, or except:
- (a)** When the Control Officer has reason to believe that the pollution control project would result in a significant net increase in representative actual annual emissions of any criteria pollution over levels used for that source in the most recent Title I air quality impact analysis in the area, if any, and
- (b)** The Control Officer determines that the increase will cause or contribute to a violation of any national ambient air quality standard, PSD increment, or visibility limitation;
- (9)** The installation, operation, cessation, or removal of a temporary clean coal technology demonstration project, if the project complies with:
- (a)** The SIP; and

- (b) Other requirements necessary to attain and maintain the national ambient air quality standards during the project and after it is terminated;
- (10) For electric utility steam generating units located in attainment and unclassified areas only, the installation or operation of a permanent clean coal technology demonstration project that constitutes repowering, if the project does not result in an increase in the potential to emit of any regulated pollutant emitted by the unit. This exemption shall apply on a pollutant-by-pollutant basis; and
- (11) For electric utility steam generating units located in attainment and unclassified areas only, the reactivation of a very clean coal-fired electric utility steam generating unit.

255 200.60 **MAJOR SOURCE -**

- 255.1 a. A major source as defined in Rule 240 of these rules;
- 255.2 b. A major source ~~pursuant to under~~ Section 112 of the Act:
 - (1) For pollutants other than radionuclides, any stationary source that emits or has the potential to emit, in the aggregate, including fugitive emissions, ~~ten~~ 10 tons per year (tpy) or more of any hazardous air pollutant which has been listed ~~pursuant to under~~ Section 112(b) of the Act, 25 tpy or more of any combination of such hazardous air pollutants, , or such lesser quantity as described in Title 18, Chapter 2, Article 11 of the Arizona Administrative Code. Notwithstanding the preceding sentence, emissions from any oil or gas exploration or production well (with its associated equipment) and emissions from any pipeline compressor or pump station shall not be aggregated with emissions from other similar units, whether or not such units are in a contiguous area or under common control, to determine whether such units or stations are major sources; or
 - b. (2) For radionuclides, major source shall have the meaning specified by the Administrator of EPA by rule.
- 255.3 c. A major stationary source, as defined in Section 302 of the Act, that directly emits or has the potential to emit, 100 tpy or more of any air pollutant including any major source of fugitive emissions of any such pollutant. The fugitive emissions of a stationary source shall not be considered in determining whether it is a major stationary source for the purpose of Section 302(j) of the Act, unless the source belongs to ~~one~~ one 1 of the following categories of stationary source:
 - Coal cleaning plants (with thermal dryers).
 - Kraft pulp mills.
 - Portland cement plants.
 - Primary zinc smelters.
 - Iron and steel mills.
 - Primary aluminum ore reduction plants.
 - Primary copper smelters.
 - Municipal incinerators capable of charging more than 50 tons of refuse per day.
 - Hydrofluoric, sulfuric, or nitric acid plants.
 - Petroleum refineries.
 - Lime plants.
 - Phosphate rock processing plants.
 - Coke oven batteries.
 - Sulfur recovery plants.
 - Carbon black plants (furnace process).
 - Primary lead smelters.
 - Fuel conversion plants.
 - Sintering plants.
 - Secondary metal production plants.
 - Chemical process plants.

Fossil-fuel boilers (or combination thereof) totaling more than 250 million BTU per hour heat input.

Petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels.

Taconite ore processing plants.

Glass fiber processing plants.

Charcoal production plants.

Fossil fuel-fired steam electric plants of more than 250 million BTU per hour rated heat input. ~~or~~

All other stationary source categories regulated by a standard promulgated as of August 7, 1980 ~~pursuant to~~ under Section 111 of the Act (Standards Of Performance For New Stationary Sources) or ~~pursuant to~~ under Section 112 of the Act (Hazardous Air Pollutants) but only with respect to those air pollutants that have been regulated for that category.

200.61 MAJOR SOURCE THRESHOLD – The lowest applicable emissions rate for a pollutant that would cause the source to be a major source at the particular time and location, under Section 200.60 (Definition Of Major Source) of this rule.

256 200.62 MALFUNCTION - Any sudden and unavoidable failure of air pollution control equipment, process or process equipment to operate in a normal and usual manner. Failures that are caused by poor maintenance, careless operation or any other upset condition or equipment breakdown which could have been prevented by the exercise of reasonable care shall not be considered malfunctions.

257 200.63 MATERIAL PERMIT CONDITION -

257.1 a. For the purposes of ARS §49-464(G) and ARS §49-514(G), a material permit condition shall mean a condition which satisfies all of the following:

a. (1) The condition is in a permit or permit revision issued by the Control Officer or by the Director after the effective date of this rule.

b. (2) The condition is identified within the permit as a material permit condition.

c. (3) The condition is one of the following:

(1) (a) An enforceable emission standard imposed to avoid classification as a major modification or major source or to avoid triggering any other applicable requirement.

(2) (b) A requirement to install, operate or maintain a maximum achievable control technology or hazardous air pollutant reasonably available control technology required ~~pursuant to~~ under the requirements of ARS §49-426.06.

(3) (c) A requirement for the installation or certification of a monitoring device.

(4) (d) A requirement for the installation of air pollution control equipment.

(5) (e) A requirement for the operation of air pollution control equipment.

(6) (f) An opacity standard required by Section 111 of the Act (Standards Of Performance For New Stationary Sources) or Title I, Part C or D, of the Act.

d. (4) Violation of the condition is not covered by Subsections (A) through (F), or (H) through (J) of ARS §49-464 or Subsections (A) through (F), or (H) through (J) of ARS §49-514.

257.2 b. For the purposes of ~~Section 257.1(c)(3), (4), and (5)~~ subsections 200.63(a)(3)(c), (d), and (e) of this rule, a permit condition shall not be material where the failure to comply resulted from circumstances which were outside the control of the source.

258 200.64 METHOD OF OPERATION - ~~See Section 265 of this rule (Operation)~~ The definition of method of operation is included in Section 200.71 (Definition Of Operation) of this rule.

- 259 **200.65** **MODIFICATION** - A physical change in or a change in the method of operation of a source which increases the actual emissions of any regulated air pollutant emitted by such source by more than any relevant de minimis amount or which results in the emission of any regulated air pollutant not previously emitted by more than such de minimis amount.
- 260 **200.66** **NET EMISSIONS INCREASE** - ~~The amount by which the sum of Section 260.1 and Section 260.2 below exceeds zero:~~
- a.** ~~The amount by which the sum of subsection 200.66(a)(1) and subsection 200.66(a)(2) below exceed zero:~~
- 260.1 **(1)** Any increase in actual emissions from a particular physical change or change in the method of operation at a stationary source; and
- 260.2 **(2)** Any other increases and decreases in actual emissions at the source that are contemporaneous with the particular change and are otherwise creditable.
- 260.3 **b.** An increase or decrease in actual emissions is contemporaneous with the increase from the particular change only if it occurs between:
- a- **(1)** The date five years before construction on the particular change commences; and
- b- **(2)** The date that the increase from the particular change occurs.
- 260.4 **c.** An increase or decrease in actual emissions is creditable only if the Control Officer has not relied on it in issuing a permit, which is in effect when the increase in actual emissions from the particular change occurs. In addition, in nonattainment areas, a decrease in actual emissions shall be considered in determining net emissions increase due to modifications only if the state has not relied on it in demonstrating attainment or reasonable further progress.
- 260.5 **d.** An increase or decrease in actual emissions of sulfur dioxide, nitrogen oxides, or particulate matter which occurs before the applicable baseline date, as described in Rule 500 of these rules, is creditable only if it is required to be considered in calculating the amount of maximum allowable increases remaining available.
- 260.6 **e.** An increase in actual emissions is creditable only to the extent that the new level of actual emissions exceeds the old level.
- 260.7 **f.** A decrease in actual emissions is creditable only to the extent that:
- a- **(1)** The old level of actual emissions or the old level of allowable emissions, whichever is lower, exceeds the new level of actual emissions;
- b- **(2)** The emissions unit was actually operated and emitted the specific pollutant;
- e- **(3)** It is federally enforceable at and after the time that actual construction on the particular change begins; and
- d- **(4)** It has approximately the same qualitative significance for public health and welfare as that attributed to the increase from the particular change.
- 260.8 **g.** An increase that results from a physical change at a source occurs when the emissions unit on which construction occurred becomes operational and begins to emit a particular pollutant. Any replacement unit that requires shakedown becomes operational only after a reasonable shakedown period, not to exceed 180 days.
- 264 **200.67** **NEW SOURCE** - Any source that is not an existing source.
- 262 **200.68** **NONATTAINMENT AREA** - An area so designated by the Administrator ~~of EPA~~ acting pursuant to ~~under~~ Section 107 of the Act as exceeding national primary or secondary ambient air standards for a particular pollutant or pollutants.
- 263 **200.69** **NON-PRECURSOR ORGANIC COMPOUND** - Any of the following organic compounds ~~which that~~ have been designated by the EPA as having negligible photo-chemical reactivity:
- 67-64-1 Acetone;
- 74-82-8 Methane;

[74-84-0](#) Ethane;
[75-09-2](#) Methylene chloride (dichloromethane);
[71-55-6](#) 1,1,1-trichloroethane;
[75-69-4](#) Trichlorofluoromethane (CFC-11);
[75-71-8](#) Dichlorodifluoromethane (CFC-12);
[75-45-6](#) Chlorodifluoromethane (HCFC-22);
[76-13-1](#) 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113);
[76-14-2](#) ~~1,2-dichlorotetrafluoroethane~~ [1,2-dichloro-1,1,2,2-tetrafluoroethane](#) (CFC-114);
[76-15-3](#) Chloropentafluoroethane (CFC-115);
[75-46-7](#) Trifluoromethane (HFC-23);
[306-83-2](#) 2,2-dichloro-1,1,1-trifluoroethane (HCFC-123);
[2837-89-0](#) 2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124);
[1717-00-6](#) 1,1-dichloro-1-fluoroethane (HCFC-141b);
[75-68-3](#) 1-chloro-1,1-difluoroethane (HCFC-142b);
[354-33-6](#) Pentafluoroethane (HFC-125);
[354-25-6](#) 1,1,2,2-tetrafluoroethane (HFC-134);
[811-97-2](#) 1,1,1,2-tetrafluoroethane (HFC-134a);
[420-46-2](#) 1,1,1-trifluoroethane (HFC-143a);
[75-37-6](#) 1,1-difluoroethane (HFC-152a);
[98-56-6](#) Parachlorobenzotrifluoride (PCBTF);
[127-18-4](#) Perchloroethylene (tetrachloroethylene);
[422-56-0](#) 3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca);
[507-55-1](#) 1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb);
1,1,1,2,3,4,4,5,5,5-decafluoropentane (HFC 43-10mee);
~~1,1,1,2,3,4,4,5,5,5-decafluoropentane (HFC-43-10mee);~~
[75-10-5](#) Difluoromethane (HFC-32);
[353-36-6](#) Ethylfluoride (HFC-161);
[690-39-1](#) 1,1,1,3,3,3-hexafluoropropane (HFC-236fa);
[678-86-7](#) 1,1,2,2,3-pentafluoropropane (HFC-245ca);
[460-73-1](#) 1,1,2,3,3-pentafluoropropane (HFC-245ea);
[431-31-2](#) 1,1,1,2,3-pentafluoropropane (HFC-245eb);
1,1,1,3,3-pentafluoropropane (HFC-245fa);
[431-63-0](#) 1,1,1,2,3,3-hexafluoropropane (HFC-236ea);
1,1,1,3,3-pentafluorobutane (HFC-365mfc);
[593-70-4](#) Chlorofluoromethane (HCFC-31);
[1615-75-4](#) 1-chloro-1-fluoroethane (HCFC-151a);
[354-23-4](#) 1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a);
1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-butane;
2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane;
1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane;
2-(ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane;
[79-20-9](#) [methyl acetate](#);
~~Cyclic, branched or linear completely methylated siloxanes;~~
~~All completely fluorinated, completely saturated: alkanes, ethers and tertiary amines; and~~
~~Sulfur-containing perfluorocarbons with no unsaturations, no hydrogen, and with sulfur~~
~~bonds only to carbon and fluorine.~~
~~And perfluorocarbon compounds that fall into these classes:~~
~~Cyclic, branched, or linear, completely fluorinated alkanes;~~
~~Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations;~~
~~Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; or~~
~~Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to~~
~~cabon and fluorine.~~

264 [200.70](#) **OPEN OUTDOOR FIRE** - Any combustion of material of any type outdoors, where the products of combustion are not directed through a flue.

- 265 [200.71](#) **OPERATION** - Any physical action resulting in a change in the location, form or physical properties of a material, or any chemical action resulting in a change in the chemical composition or properties of a material.
- 266 [200.72](#) **ORGANIC COMPOUND** - Any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate.
- 267 [200.73](#) **ORGANIC LIQUID** - Any organic compound which exists as a liquid under any actual conditions of use, transport, or storage.
- 268 [200.74](#) **OWNER AND/OR OPERATOR** - Any person who owns, leases, operates, controls, or supervises an affected facility or a stationary source of which an affected facility is a part.
- 269 [200.75](#) **PARTICULATE MATTER** - Any material, except ~~uncombined water~~ condensed water containing no more than analytical trace amounts of other chemical elements or compounds, which has a nominal aerodynamic diameter smaller than 100 microns (micrometers), and which exists in a finely divided form as a liquid or solid at actual conditions.
- 270 [200.76](#) **PERMITTING AUTHORITY** - The department or a County department or agency that is charged with enforcing a permit program adopted ~~pursuant to~~ under ARS §49-480, Subsection A.
- 274 [200.77](#) **PERSON** - Any individual, public or private corporation, company, partnership, firm, association of society of persons, the Federal Government and any of its departments or agencies, or the State and any of its agencies, departments or political subdivisions.
- 272 [200.78](#) **PHYSICAL CHANGE** - Any replacement, addition, or alteration of equipment that is not already allowed under the terms of the source's permit.
- 273 [200.79](#) **PM₁₀** - Particulate matter with ~~an~~ a nominal aerodynamic diameter smaller than or equal to 10 microns (micrometers) as measured by the applicable State and Federal Reference Test Methods.
- [200.80](#) **POLLUTANT** – An air contaminant the emissions or ambient concentration of which is regulated pursuant to these rules.
- [200.81](#) **POLLUTION CONTROL PROJECT** - Any activity or project undertaken at an existing electric utility steam generating unit to reduce emissions from the unit. The activities or projects are limited to:
- [a.](#) The installation of conventional or innovative pollution control technology, including but not limited to advanced flue gas desulfurization, sorbent injection for sulfur dioxide and nitrogen oxides controls, and electrostatic precipitators;
 - [b.](#) An activity or project to accommodate switching to a fuel less polluting than the fuel used before the activity or project, including but not limited to natural gas or coal reburning, or the co-firing of natural gas and other fuels for the purpose of controlling emissions;
 - [c.](#) A permanent clean coal technology demonstration project, conducted under Title II, Section 101(d) of the Further Continuing Appropriation Act of 1985 (42 USC 5903(d)) or subsequent appropriations up to a total amount of \$2,500,000,000 for commercial demonstration of clean coal technology, or similar projects funded through appropriations for the EPA; or
 - [d.](#) A permanent clean coal technology demonstration project that constitutes a repowering project.

- 274 [200.82](#) **PORTABLE SOURCE** - Any building, structure, facility or installation subject to regulation ~~pursuant to under~~ ARS §49-426 which emits or may emit any air pollutant and [which](#) is capable of being operated at more than one location.
- 275 [200.83](#) **POTENTIAL TO EMIT** -- The maximum capacity of a stationary source to emit pollutants, excluding secondary emissions, under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on emissions is federally enforceable.
- 276 [200.84](#) **PROPOSED PERMIT** - The version of a permit for which the Control Officer offers public participation ~~pursuant to under~~ Rule 210 of these rules or offers affected state review ~~pursuant to under~~ Rule 210 of these rules.
- 277 [200.85](#) **PROPOSED FINAL PERMIT** - The version of a Title V permit that the Control Officer proposes to issue and forwards to the Administrator [of EPA](#) for review in compliance with Rule 210 of these rules.
- 278 [200.86](#) **QUANTIFIABLE** - With respect to emissions, ~~or including~~ the emissions involved in equivalent emission limits and emission trades, capable of being measured or otherwise determined in terms of quantity and assessed in terms of character. Quantification may be based on emission factors, stack tests, monitored values, operating rates and averaging times, materials used in a process or production, modeling, or other reasonable measurement practices.
- [200.87](#) **REACTIVATION OF A VERY CLEAN COAL-FIRED ELECTRIC UTILITY STEAM GENERATING UNIT** - Any physical change or change in the method of operation, ~~associated with commencing commercial operations by a coal-fired utility unit after a period of discontinued operation, if the unit:~~
- [a.](#) ~~Has not been in operation for the 2-year period before enactment of the Clean Air Act Amendments of 1990 and the emissions from the unit continue to be carried in the Maricopa County emissions inventory at the time of enactment;~~
 - [b.](#) ~~Was equipped before shutdown with a continuous system of emissions control that achieves a removal efficiency for sulfur dioxide of no less than 85% and a removal efficiency for particulates of no less than 98%;~~
 - [c.](#) ~~Is equipped with low NOx burners before commencement of operations following reactivation; and~~
 - [d.](#) ~~Is otherwise in compliance with the Act.~~
- 279 [200.88](#) **REASONABLY AVAILABLE CONTROL TECHNOLOGY (RACT)** - For facilities subject to Regulation III ([Control Of Air Contaminants](#)) of these rules, the emissions limitation of the existing source performance standard. For facilities not subject to Regulation III ([Control Of Air Contaminants](#)) of these rules, the lowest emission limitation that a particular source is capable of achieving by the application of control technology that is reasonably available considering technological and economic feasibility. Such technology may previously have been applied to a similar, but not necessarily identical, source category. RACT for a particular facility, other than a facility subject to Regulation III ([Control Of Air Contaminants](#)) of these rules, is determined on a case-by-case basis, considering the technological feasibility and cost-effectiveness of the application of the control technology to the source category.
- 280 [200.89](#) **REFERENCE METHOD** - Any of the methods of sampling and analyzing for an air pollutant as described in the Arizona Testing Manual for Air Pollutant Emissions; 40 CFR 50,

Appendices A through K; 40 CFR 52, Appendices D and E; 40 CFR 60, Appendices A through F; and 40 CFR 61, Appendices B and C.

284 **200.90** **REGULATED AIR POLLUTANT** - Any of the following:

- 284.1 **a.** Any conventional air pollutant as defined in ARS §49-401.01, which means any pollutant for which the Administrator of EPA has promulgated a primary or a secondary national ambient air quality standard (NAAQS) (i.e., for carbon monoxide (CO), nitrogen oxides (NO_x), lead, sulfur oxides (SO_x) measured as sulfur dioxides (SO₂), ozone, and particulates).
- 284.2 **b.** Nitrogen oxides (NO_x) and volatile organic compounds (VOCs).
- 284.3 **c.** Any air contaminant that is subject to a standard contained in Rule 360 of these rules (New Source Performance Standards) or promulgated pursuant to under Section 111 of the Act (Standards Of Performance For New Stationary Sources).
- 284.4 **d.** Any hazardous air pollutant (HAP) as defined in ARS §49-401.01 or listed in Section 112(b) of the Act (Hazardous Air Pollutants; List Of Pollutants).
- 284.5 **e.** Any Class I or II substance listed in Section 602 of the Act (Stratospheric Ozone Protection; Listing Of Class I And Class II Substances).

282 **200.91** **REGULATORY REQUIREMENTS** - All applicable requirements, Division rules, and all State requirements pertaining to the regulation of air contaminants.

283 **200.92** **REPLICABLE** - With respect to methods or procedures sufficiently unambiguous such that the same or equivalent results would be obtained by the application of the method or procedure by different users.

200.93 **REPOWERING** - The Control Officer shall give expedited consideration to permit applications for any source that satisfies the following criteria and that is granted an extension under Section 409 of the Act:

- a.** Repowering means replacing an existing coal-fired boiler with 1 of the following clean coal technologies:
- (1)** Atmospheric or pressurized fluidized bed combustion;
 - (2)** Integrated gasification combined cycle;
 - (3)** Magnetohydrodynamics;
 - (4)** Direct and indirect coal-fired turbines;
 - (5)** Integrated gasification fuel cells; or
 - (6)** As determined by the Administrator of EPA, in consultation with the United States Secretary Of Energy, a derivative of 1 or more of the above listed technologies; and
 - (7)** Any other technology capable of controlling multiple combustion emissions simultaneously with improved boiler or generation efficiency and with significantly greater waste reduction relative to the performance of technology in widespread commercial use, as of November 15, 1990.
- b.** Repowering also includes any oil, gas, or oil and gas-fired units, which have been awarded clean coal technology demonstration funding, as of January 1, 1991 by the United States Department Of Energy.

200.94 **REPRESENTATIVE ACTUAL ANNUAL EMISSIONS** - The average rate, in tons per year, at which the source is projected to emit a pollutant for the 2-year period after a physical change or change in the method of operation of a unit (or a different consecutive 2-year within 10 years after that change, if the Control Officer determines that the different period is more representative of source operations), considering the effect the change will have on increasing or decreasing the hourly emission rate and on projected capacity utilization. In projecting future emissions, the Control Officer shall:

- a. Consider all relevant information, including but not limited to, historical operational data, the company's representations, filings with the Maricopa County, State or Federal regulatory authorities, and compliance plans under Title IV of the Act; and
- b. Exclude, in calculating any increase in emissions that result from the particular physical change or change in the method of operation at an electric utility steam generating unit, that portion of the unit's emissions, following the change, that could have been accommodated during the representative baseline period and that is attributable to an increase in projected capacity utilization, at the unit unrelated to the particular change, including any increased utilization due to the rate of electricity demand growth for the utility system as a whole.

284 **200.95** **RESPONSIBLE OFFICIAL** - One of the following:

- 284.1 a. For a corporation: A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either;
 - a. (1) The sources employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or
 - b. (2) The delegation of authority to such representatives is approved in advance by the permitting authority;
- 284.2 b. For a partnership or sole proprietorship: A general partner or the proprietor, respectively;
- 284.3 c. For a municipality, state, federal, or other public agency: Either a principal executive officer or ranking elected official. For the purposes of this rule, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of EPA); or
- 284.4 d. For affected sources:
 - a. (1) The designated representative insofar as actions, standards, requirements, or prohibitions ~~pursuant to~~ under Title IV of the Act or the regulations promulgated thereunder are concerned; and
 - b. (2) The designated representative for any other purposes ~~pursuant to~~ under 40 CFR, Part 70.

200.96 **SCHEDULED MAINTENANCE** - Preventive maintenance undertaken in order to avoid a potential breakdown or upset of air pollution control equipment.

285 **200.97** **SIGNIFICANT** -

- 285.1 a. In reference to a net emissions increase or the potential of a source to emit any of the following pollutants, a rate of emissions that would equal or exceed any one of the following rates:

<u>Pollutant</u>	<u>Emissions Rate (TPY)</u>
Carbon Monoxide	100
Nitrogen Oxides	40
Sulfur Dioxide	40
Particulate Matter	25
PM10	15
VOC	40
Lead	0.6
Fluorides	3

Sulfuric Acid Mist	7
Hydrogen Sulfide (H ₂ S)	10
Total Reduced Sulfur (including hydrogen sulfide)	10
Reduced Sulfur Compounds (including hydrogen sulfide)	10
Municipal waste combustor organics (measured as total tetra-through- octa-chlorinated: dibenzo-p-dioxins and dibenzofurans)	3.5 x 10 ⁻⁶
Municipal waste combustor metals (measured as particulate matter)	15
Municipal waste combustor acid gases (measured as sulfur dioxide and hydrogen chloride)	40
Municipal solid waste landfill emissions (measured as nonmethane organic compounds)	50

- 285.2 **b.** In ozone nonattainment areas classified as serious or severe, significant emissions of VOC shall be determined ~~pursuant to under~~ Rule 240 ([Permit Requirements For New Major Sources And Major Modifications To Existing Major Sources](#)) of these rules.
- 285.3 **c.** In reference to a regulated air pollutant that is not listed in [Section 285.4 subsection 200.97\(a\)](#) of this rule, is not a Class I nor a Class II substance listed in Section 602 of the Act, and is not a hazardous air pollutant according to ARS §49-401.01(11), any emissions rate.
- 285.4 **d.** Notwithstanding the emission amount listed in [Section 285.4 subsection 200.97\(a\)](#) of this rule, any emissions rate or any net emissions increase associated with a major source or major modification, which would be constructed within ten kilometers (6.2 miles) of a Class I area and which would have an impact on the ambient air quality of such area equal to or greater than one microgram/cubic meter (mg/m³) (24-hour average).
- 286 **[200.98](#)** **SOLVENT-BORNE COATING MATERIAL** - Any liquid coating-material in which the solvent is primarily or solely a ~~volatile organic compound (VOC)~~. For the purposes of this definition, “primarily” means of the total solvent mass that evaporates from the coating, the VOC portion weighs more than the non-VOC portion.
- 287 **[200.99](#)** **SOURCE** - Any building, structure, ~~or~~ facility, [or installation](#) that may cause or contribute to air pollution. ~~- or the use of which may eliminate, reduce or control the emission of air pollution.~~
- 288 **[200.100](#)** **SPECIAL INSPECTION WARRANT** - An order, in writing, issued in the name of the State of Arizona, signed by a magistrate, directed to the Control Officer or his deputies authorizing him to enter into or upon public or private property for the purpose of making an inspection authorized by law.
- 289 **[200.101](#)** **STANDARD CONDITIONS** - A gas temperature of 60 degrees Fahrenheit ([°F](#)) and a gas pressure of 14.7 pounds per square inch absolute ([psia](#)). When applicable, all analyses and tests shall be calculated and reported at standard gas temperatures and pressure values.
- 290 **[200.102](#)** **STATE IMPLEMENTATION PLAN (SIP)** - The plan adopted by the state of Arizona which provides for implementation, maintenance, and enforcement of such primary and secondary ambient air quality standards as are adopted by the Administrator [of EPA](#), ~~pursuant to under~~ the Act.

- 291 **200.103** **STATIONARY SOURCE** - Any source that operates at a fixed location and that emits or generates ~~air contaminants~~ regulated air pollutants.
- 292 **200.104** **SYNTHETIC MINOR** - A source which voluntarily proposes in its application and accepts in its permit, including emissions limitations, controls, or other requirements which are permanent, quantifiable, and enforceable, which, if part of a federally enforceable permit program, will enable such source to avoid classification as a source that requires a Title V permit.
- 200.105** **TEMPORARY CLEAN COAL TECHNOLOGY DEMONSTRATION PROJECT** - A clean coal technology demonstration project operated for 5 years or less and that complies with the SIP and other requirements necessary to attain and maintain the national ambient air quality standards, during the project and after the project is terminated.
- 293 **200.106** **TITLE V** - Title V of the federal Clean Air Act as amended in 1990 and the 40 CFR Part 70 EPA regulations adopted to implement the Act.
- 294 **200.107** **TRADE SECRETS** - Information to which all of the following apply:
- 294.1 **a.** A person has taken reasonable measure to protect from disclosure and the person intends to continue to take such measures.
- 294.2 **b.** The information is not, and has not been, reasonably obtainable without the person's consent by other persons, other than governmental bodies, by use of legitimate means, other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding.
- 294.3 **c.** No statute, including ARS §49-487, specifically requires disclosure of the information to the public.
- 294.4 **d.** The person has satisfactorily shown that disclosure of the information is likely to cause substantial harm to the business's competitive position.
- 200.108** **TRIVIAL ACTIVITY** - An activity at an emissions unit, that emits regulated air pollutants, which is included in the activities listed in Appendix E (List Of Trivial Activities) of these rules (i.e., activities within such categories as: general combustion, surface coating and printing equipment, cleaning equipment, internal combustion equipment, testing and monitoring equipment, office equipment, repair and maintenance, storage and distribution, hand operated equipment, food equipment, water and waste water treatment, emergency equipment, roadways and motor vehicles, and miscellaneous activities). Appendix E (List Of Trivial Activities) of these rules is a list of the most common trivial activities. Appendix E (List Of Trivial Activities) of these rules does not include every trivial activity and is to be used as a guide only. Any other activity, that is not included in Appendix E (List Of Trivial Activities), that is not conducted as part of a manufacturing process, that is not related to the source's primary business activity, and that does not otherwise trigger a permit revision, may be considered a trivial activity, if approved by the Control Officer and the Administrator of EPA.
- 295 **200.109** **UNCLASSIFIED AREA** - An area which the Administrator of EPA, because of lack of adequate data, is unable to classify as an attainment or nonattainment area for a specific pollutant. For purposes of these rules, unclassified areas are to be treated as attainment areas.
- 296 **200.110** **VOLATILE ORGANIC COMPOUND (VOC)** - Any organic compound, which participates in atmospheric photochemical reactions, except the non-precursor organic compounds.

SECTION 300 - STANDARDS

- 301 **AIR POLLUTION PROHIBITED:** No person shall discharge from any source whatever into the atmosphere regulated air pollutants which exceed in quantity or concentration that specified and allowed in these rules, the Arizona Administrative Code or [the Arizona Revised Statutes ARS](#), or which cause damage to property or unreasonably interfere with the comfortable enjoyment of life or property of a substantial part of a community, or obscure visibility, or which in any way degrade the quality of the ambient air below the standards established by the Board of Supervisors or the Director.
- 302 **APPLICABILITY OF MULTIPLE [EMISSION LIMITS RULES](#):** Whenever more than one ~~rule of these rules~~ [standard in this rule](#) applies to any source ~~or whenever a standard in this rule and a standard in the Maricopa County Air Pollution Control Regulations Regulation III (Control Of Air Contaminants) applies to any source~~, the rule or combination of rules resulting in the lowest rate or lowest concentration of ~~air contaminants regulated air pollutants~~ released to the atmosphere shall apply, unless otherwise specifically exempted or designated.

SECTION 400 - ADMINISTRATIVE REQUIREMENTS

- 401 **CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS:** Any application form or report submitted ~~pursuant to~~ [under](#) these rules shall contain certification by a responsible official of truth, accuracy, and completeness of the application form or report as of the time of submittal. This certification and any other certification required ~~pursuant to~~ [under](#) these rules shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- 402 **CONFIDENTIALITY OF INFORMATION:**
- 402.1 The Control Officer shall make all permits, including all elements required to be in the permit ~~pursuant to~~ [under](#) Rule 210 ([Title V Permit Provisions](#)) of these rules and Rule 220 ([Non-Title V Permit Provisions](#)) of these rules, available to the public.
- 402.2 Any records, reports or information obtained from any person under these rules shall be available to the public, unless the Control Officer has notified the person in writing as specified in subsection 402.3 of this rule and unless a person:
- a. Precisely identifies the information in the permit(s), records, or reports which is considered confidential.
 - b. Provides sufficient supporting information to allow the Control Officer to evaluate whether such information satisfies the requirements related to trade secrets as defined in [Section 294](#) [Section 200.106](#) of this rule.
- 402.3 Within 30 days of receipt of a notice of confidentiality that complies with subsection 402.2 of this rule, the Control Officer shall make a determination as to whether the information satisfies the requirements for trade secrets as described in [Section 294](#) [Section 200.106](#) of this rule and so notify the applicant in writing. If the Control Officer agrees with the applicant that the information covered by the notice of confidentiality satisfies the statutory requirements, the Control Officer shall include a notice in the administrative record of the permit application that certain information has been considered confidential.
- 402.4 A claim of confidentiality shall not excuse a person from providing any and all information required or requested by the Control Officer.
- 402.5 A claim of confidentiality shall not be a defense for failure to provide such information.

403 ~~EFFECTIVE DATE OF THIS RULE: The revisions to Rule 100, Sections 249.2, 255.2(a), 257.1(a), 285.1, and 403 adopted by the Board Of Supervisors on May 20, 1998, shall be effective July 1, 1998.~~

SECTION 500 - MONITORING AND RECORDS

501 ~~EMERGENCY PROVISION:~~

- ~~501.1 An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.~~
- ~~501.2 An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of subsection 501.3 of this rule are met.~~
- ~~501.3 The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:~~
- ~~a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;~~
 - ~~b. The permitted source was at the time being properly operated;~~
 - ~~c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and~~
 - ~~d. The permittee as soon as possible telephoned the Control Officer giving notice of the emergency and submitted notice of the emergency to the Control Officer by certified mail or hand delivery within two working days of the time when emission limitations were exceeded due to the emergency. This notice fulfills the requirement of Rule 210 of these rules. This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective action taken.~~
 - ~~e. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.~~
 - ~~f. This provision is in addition to any emergency or upset provision contained in any applicable requirement.~~

502 ~~EXCESS EMISSIONS:~~

- ~~502.1 Emissions in excess of an applicable emission limitation contained in these rules or in the terms of a permit shall constitute a violation. For all situations that constitute an emergency as described in Section 501 of this rule, the affirmative defense and reporting requirements contained in Section 501 of this rule shall apply. In all other circumstances, it shall be an affirmative defense, if the owner or operator of the source has complied with the reporting requirements of subsection 502.3 of this rule in a timely manner and has demonstrated all of the following:~~
- ~~a. The excess emissions resulted from a sudden and unavoidable breakdown of the process or the control equipment resulted from unavoidable conditions during startup or shutdown, resulted from unavoidable conditions during an upset of operations, or that greater or more extended excess emissions would result unless scheduled maintenance is performed;~~
 - ~~b. The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;~~
 - ~~c. Where repairs were required, such repairs were made in an expeditious fashion when the applicable emission limitations were being exceeded and off-shift labor and overtime were utilized where practical to insure that such~~

- ~~repairs were made as expeditiously as possible. If off-shift labor and overtime were not utilized, the owner or operator satisfactorily demonstrated that such measures were impractical;~~
- ~~d. The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;~~
 - ~~e. All feasible steps were taken to minimize the impact of the excess emissions on potential violations of ambient air quality standards;~~
 - ~~f. The excess emissions were not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and~~
 - ~~g. During the period of excess emissions, there were no measured violations of the ambient air quality standards established in Rule 510 of these rules which could be attributed to the emitting source.~~
- ~~502.2 It shall be the burden of the owner or operator of the source to demonstrate, through submission of the data and information required by this section of this rule that all reasonable and practicable measures within the owner or operator's control were implemented to prevent the occurrence of excess emissions.~~
- ~~502.3 Excess emissions shall be reported as follows:~~
- ~~a. The owner or operator of any source issued a permit shall report to the Control Officer any emissions in excess of the limits established by this section of this rule or the applicable permit. Such report shall be in two parts as specified below:
 - ~~(1) Notification by telephone or facsimile within 24 hours of the time when the owner or operator first learned of the occurrence of excess emissions including all available information from subsection 502.3(b) of this rule.~~
 - ~~(2) Detailed written notification within 72 hours of the notification pursuant to subsection 502.3(a) of this rule.~~~~
 - ~~b. The excess emissions report shall contain the following information:
 - ~~(1) The identity of each stack or other emission point where the excess emissions occurred.~~
 - ~~(2) The magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions.~~
 - ~~(3) The time and duration or expected duration of the excess emissions.~~
 - ~~(4) The identity of the equipment from which the excess emissions emanated.~~
 - ~~(5) The nature and cause of such emissions.~~
 - ~~(6) If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction.~~
 - ~~(7) The steps that were or are being taken to limit the excess emissions. If the source's permit contains procedures governing source operation during periods of startup or malfunction and the excess emissions resulted from start-up or malfunction, the report shall contain a list of the steps taken to comply with the permit procedures.~~~~
- ~~502.4 In the case of continuous or recurring excess emissions, the notification requirements of this section of this rule shall be satisfied if the source provides the required notification after excess emissions are first detected and includes in such notification an estimate of the time the excess emissions will continue. Excess emissions occurring after the estimated time period or changes in the nature of the emissions as originally reported shall require additional notification pursuant to subsection 502.3(a)(2) of this rule.~~
- ~~502.5 Information required to be submitted by this section of this rule shall be summarized and reported to the Control Officer in accordance with provisions contained in the applicable permit issued pursuant to the requirements of these rules.~~

- 503 **501** **RECORDS REQUIRED: REPORTING REQUIREMENTS:** The owner or operator of any air pollution source shall maintain records of all emissions testing and monitoring, records detailing all malfunctions which may cause any applicable emission limitation to be exceeded, records detailing the implementation of approved control plans and compliance schedules, records required as a condition of any permit, records of materials used or produced and any other records relating to the emission of air contaminants which may be requested by the Control Officer.
- 504 **502** **DATA REPORTING:** When requested by the Control Officer, a person shall furnish to the Division information to locate and classify air contaminant sources according to type, level, duration, frequency and other characteristics of emissions and such other information as may be necessary. This information shall be sufficient to evaluate the effect on air quality and compliance with these rules. The owner or operator of a source requested to submit information ~~pursuant to under~~ Section 503 of this rule may subsequently be required to submit annually, or at such intervals specified by the Control Officer, reports detailing any changes in the nature of the source since the previous report and the total annual quantities of materials used or air contaminants emitted.
- 505 **503** **EMISSION STATEMENTS REQUIRED AS STATED IN THE ACT:** Upon request of the Control Officer and as directed by the Control Officer, the owner or operator of any source which emits or may emit oxides of nitrogen (NO_x) or volatile organic compounds (VOC) shall provide the Control Officer with an emission statement, in such form as the Control Officer prescribes, showing measured actual emissions or estimated actual emissions of NO_x and VOC from that source. At a minimum the emission statement shall contain all information contained in the "Guidance on Emission Statements" document as described in the AIRS Fixed Format Report (AFP 644). The statement shall contain emissions for the time period specified by the Control Officer. The statement shall also contain a certification by a responsible official of the company that the information contained in the statement is accurate to the best knowledge of the individual certifying the statement. The first statement will cover 1992 emissions and shall be submitted to the Division by April 30, 1993. Statements shall be submitted annually thereafter. The Control Officer may waive this requirement for the owner or operator of any source which emits less than 25 tons per year of oxides of nitrogen or volatile organic compounds with an approved emission inventory for sources based on AP-42 or other methodologies approved by the Administrator [of EPA](#).
- 506 **504** **RETENTION OF RECORDS:** ~~Unless otherwise required by these rules,~~ information and records required by the Control Officer and copies of summarizing reports recorded by the owner ~~and/or~~ operator and submitted to the Control Officer shall be retained by the owner ~~and/or~~ operator for ~~five~~ 5 years after the date on which the pertinent report is submitted.
- 507 **505** **ANNUAL EMISSIONS INVENTORY REPORT:**
- 507.1 **505.1** Upon request of the Control Officer and as directed by the Control Officer, the owner and/or operator of a business shall complete and shall submit to the Control Officer an annual emissions inventory report. The report is due by April 30 or 90 days after the Control Officer makes the inventory form(s) available, whichever occurs later. These requirements apply whether or not a permit has been issued and whether or not a permit application has been filed.
- 507.2 **505.2** The annual emissions inventory report shall be in the format provided by the Control Officer.
- 507.3 **505.3** The Control Officer may require submittal of supplemental emissions inventory information forms for air contaminants ~~pursuant to under~~ ARS §49-476.01, ARS §49-480.03 and ARS §49-480.04.